ELSEVIER

Lipids and Lipid Metabolism
including Lipids in Signalling and Recognition
Vol. 1345, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors vii

Short sequence-papers

The upstream domain of soybean oleosin genes contains regulatory elements similar to those of legume storage proteins
D.L. Rowley and E.M. Herman (USA) 1

Metabolites of conjugated isomers of linoleic acid (CLA) in the rat
J.L. Sébédio, P. Juanéda, G. Dobson, I. Ramilison, J.C. Martin, J.M. Chardigny and W.W. Christie (France, UK) 5

Review

Apobec-1 and apolipoprotein B mRNA editing
L. Chan, B.H.-J. Chang, M. Nakamuta, W.-H. Li and L.C. Smith (USA) 11

Regular papers

Formation of leukotoxin (9,10-epoxy-12-octadecenoic acid) during the autoxidation of phospholipids promoted by hemoproteins
H. Iwase, T. Takatori, H. Niijima, M. Nagao, T. Amano, K. Iwadate, Y. Matsuda, M. Nakajima and M. Kobayashi (Japan) 27

Generation of free radicals during lipid hydroperoxide-triggered apoptosis in PC12h cells
H. Aoshima, T. Satoh, N. Sakai, M. Yamada, Y. Enokido, T. Ikeuchi and H. Hatanaka (Japan) 35

Serum–liposome interaction is an oxygen-dependent process
M. Foradada, A. Manzano, T. Roig, J. Estelrich and J. Bermúdez (Spain) 43

Identification of β-L-gulose as the sugar moiety of the main polar lipid *Thermoplasma acidophilum*
M. Swain, J.-R. Brisson, G.D. Sprott, F.P. Cooper and G.B. Patel (Canada) 56

Clathrin-mediated endocytosis of high density lipoprotein$_3$ in human intestinal Caco-2 cells. A post-embedding immunocytochemical study
A. Klinger, F.M. Reimann, M.H.F. Klinger and E.F. Stange (Germany) 65

Requirement of heme to replace the sparking sterol function in the yeast *Saccharomyces cerevisiae*
S.J. Smith and L.W. Parks (USA) 71

Impaired secretion of heart lipoprotein lipase in cyclophosphamide-treated rabbit
A. Lespine, H. Chap and B. Perret (France) 77

Surface properties after a simulated PLA_2 hydrolysis of pulmonary surfactant's main component, DPPC
G. Lema and G. Enhorning (USA) 86

Activation of ICAM-1 promoter by lysophosphatidylcholine: Possible involvement of protein tyrosine kinases
Y. Zhu, J.H.-C. Lin, H.-L. Liao, L. Verna and M.B. Stemerman (USA) 93

Subsection

Group II phospholipase A_2 as an autocrine growth factor mediating interleukin-1 action on mesangial cells
A. Wada, H. Tojo, T. Sugiura, Y. Fujiwara, T. Kamada, N. Ueda and M. Okamoto (Japan) 99

25-Hydroxycholesterol enhances eicosanoid production in cultured bovine coronary artery endothelial cells by increasing prostaglandin G/H synthase-2
E.R. Wohlfeil and W.B. Campbell (USA) 109

Information for Contributors vii

Reviews

The generation and actions of isoprostanes
L.J. Roberts II and J.D. Morrow (USA) 121

Microsomal triglyceride transfer protein
J.R. Wetterau, M.C.M. Lin and H. Jamil (USA) 136

Regular papers

Mechanisms and kinetics of α-linolenic acid uptake in Caco-2 clone TC7

T. Tranchant, P. Besson, C. Hoinard, J. Delarue, J.M. Antoine, C. Couet and J. Goré (France) 151

The membrane lipids of the marine ciliated protozoan *Parauronema acutum*
D. Sul and J.A. Erwin (USA) 162

Growth hormone restores hepatic lipase mRNA levels but the translation is impaired in hepatocytes of hypothyroid rats
B.P. Neve, N. Hoogerbrugge, A.J.M. Verhoeven, J.C. Birkenhäger and H. Jansen (The Netherlands) 172

Blood group B glycosphingolipids in α-galactosidase deficiency (Fabry disease): influence of secretor status
J. Ledvinová, H. Poupětová, A. Hanáčková, M. Písačka and M. Elleder (Czech Republic) 180

Adsorption of lipase on polypropylene powder
T. Gitlesen, M. Bauer and P. Adlercreutz (Sweden) 188

Neuronal nuclear acetyltransferases involved in the synthesis of platelet-activating factor are located in the nuclear envelope and show differential losses in activity
R.R. Baker and H.-y. Chang (Canada) 197

Gangliosides involved in activation of rat T lineage cells
K. Nohara, H. Ozawa, T. Tai, H. Saji and H. Fujimaki (Japan) 207

Physiological thiol compounds exert pro- and antioxidant effects, respectively, on iron- and copper-dependent oxidation of human low-density lipoprotein
S.M. Lynch and B. Frei (USA) 215

Announcement 222

Information for Contributors *vii*

Regular papers

Effects of varying the type of saturated fatty acid in the rat diet upon serum lipid levels and spleen lymphocyte functions
N.M. Jeffery, P. Sanderson, E.A. Newsholme and P.C. Calder (UK) 223

Alterations in the structure of apolipoprotein B-100 determine the behaviour of LDL towards thromboplastin
C. Ettelaie, P.I. Haris, N.J. James, B. Wilbourn, J.M. Adam and K.R. Bruckdorfer (UK) 237

Regulation of the metabolism of plasma lipoproteins by apolipoprotein A-II
J. Wang, K. Kitagawa, H. Kitado, K. Kogishi, T. Matsushita, M. Hosokawa and K. Higuchi (Japan) 248

Inhibition of proliferation of human smooth muscle cells by various HMG-CoA reductase inhibitors; comparison with other human cell types
P. Nègre-Aminou, A.K. Van Vliet, M. Van Erck, G.C.F. Van Thiel, R.E.W. Van Leeuwen and L.H. Cohen (The Netherlands) 259

Influence of bile salts on molecular interactions between sphingomyelin and cholesterol: relevance to bile formation and stability
K.J. Van Erpecum and M.C. Carey (USA) 269

Sterol carrier protein-2 mediated cholesterol esterification in transfected L-cell fibroblasts
E.J. Murphy and F. Schroeder (USA) 283

Micellar acceleration of oxygen-dependent reactions and its potential use in the study of human low density lipoprotein
I.M. Petyaev and J.V. Hunt (UK) 293

Differential disposition of lysophosphatidylcholine in diabetes compared with raised glucose: implications for prostaglandin production in the diabetic kidney glomerulus in vivo
M.E. Dunlop, E. Muggli and S. Clark (Australia) 306

The preferential mobilisation of C_{20} and C_{22} polyunsaturated fatty acids from the adipose tissue of the chick embryo: potential implications regarding the provision of essential fatty acids for neural development
B.K. Speake, S. Cerolini, A. Maldjian and R.C. Noble (UK, Italy) 317

Contrasting adrenergic effects on lipoprotein lipase gene expression in the brown adipose tissue of intact mice and in cultured brown adipocytes from mice
P. Kuusela, A. Jacobsson, M. Klingenspor, S. Rehnmark, G. Heldmaier, B. Cannon and J. Nedergaard (Sweden, Germany) 327

Occurrence and metabolism of anandamide and related acyl-ethanolamides in ovaries of the sea urchin *Paracentrotus lividus*
T. Bisogno, M. Ventriglia, A. Milone, M. Mosca, G. Cimino and V. Di Marzo (Italy) 338

Dietary cholesterol and the activity of stearoyl CoA desaturase in rats: evidence for an indirect regulatory effect
J.M. Landau, A. Sekowski and M.W. Hamm (USA) 349

Announcement 358

Cumulative Contents 359

Author Index 361